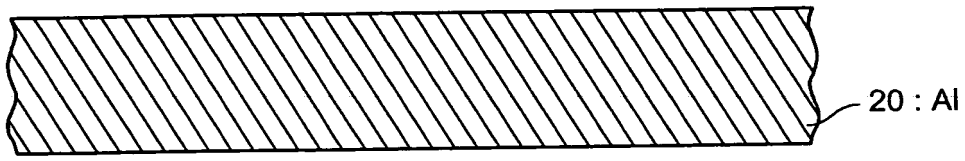


FIG._1a

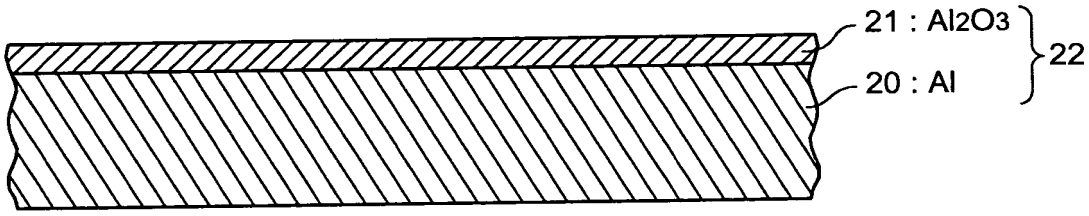


FIG._1b

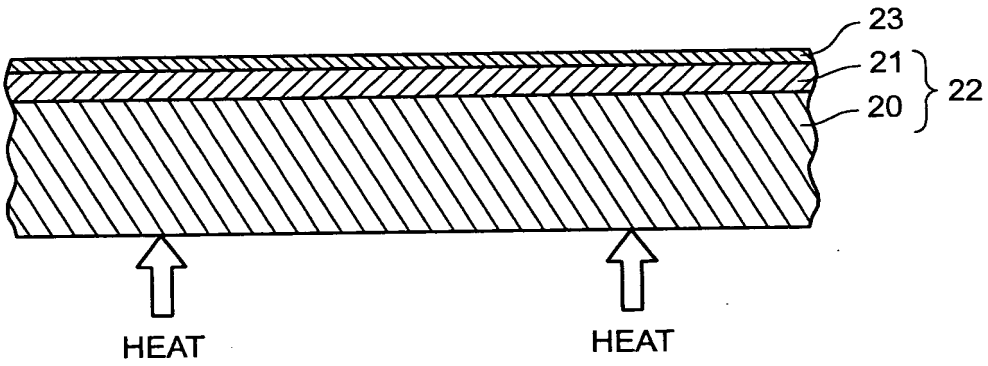


FIG._1c

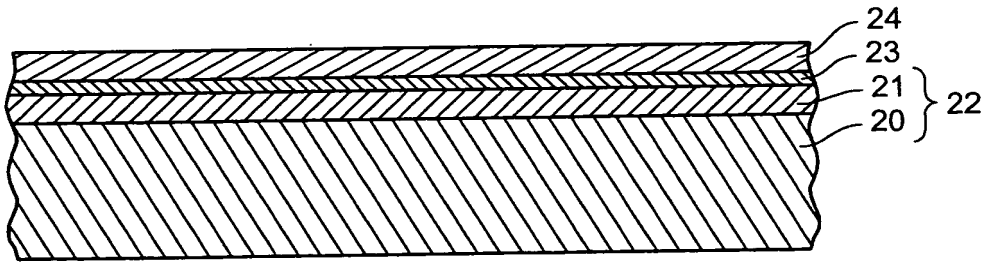


FIG._1d

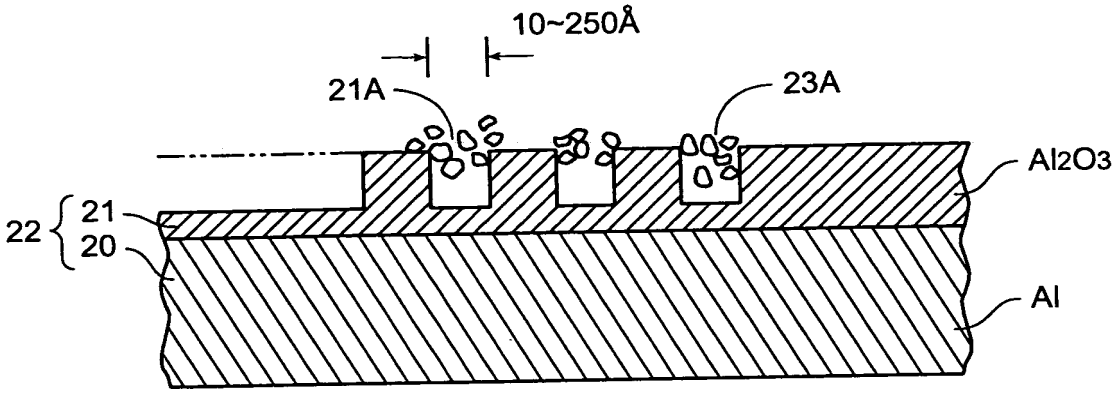

10~250Å
21A
23A
Al2O3
22
21
20
Al

FIG._2

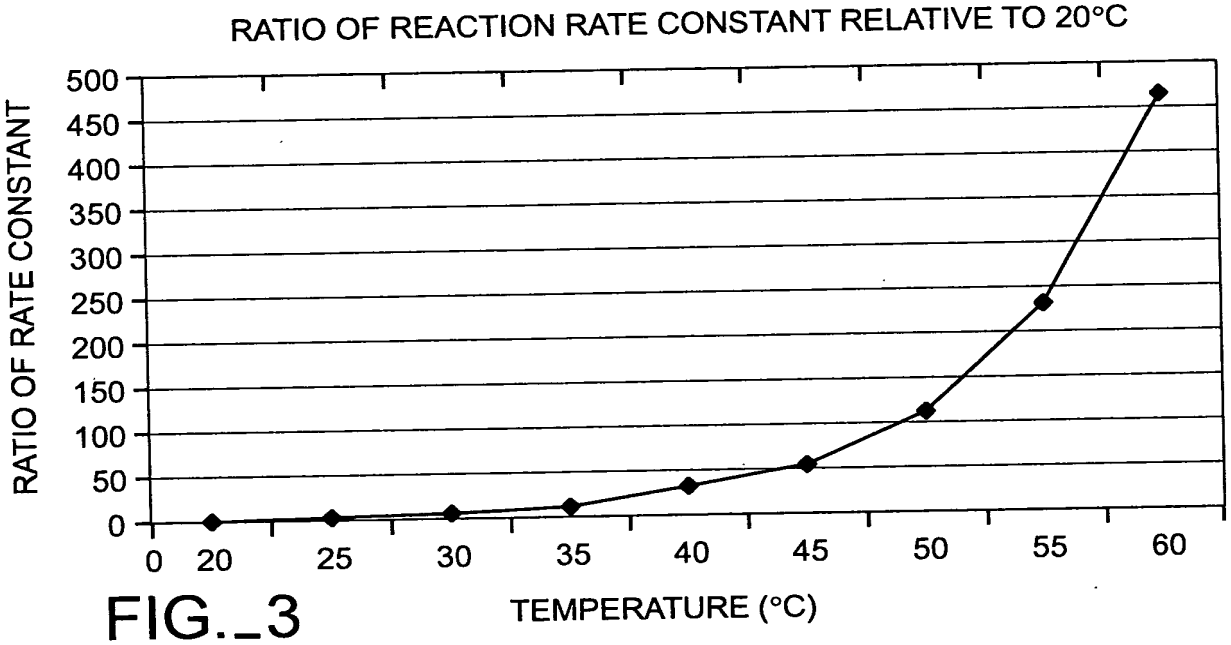

RATIO OF REACTION RATE CONSTANT RELATIVE TO 20°C
RATIO OF RATE CONSTANT
500
450
400
350
300
250
200
150
100
50
0
0 20 25 30 35 40 45 50 55 60
TEMPERATURE (°C)

FIG._3

FIG._4

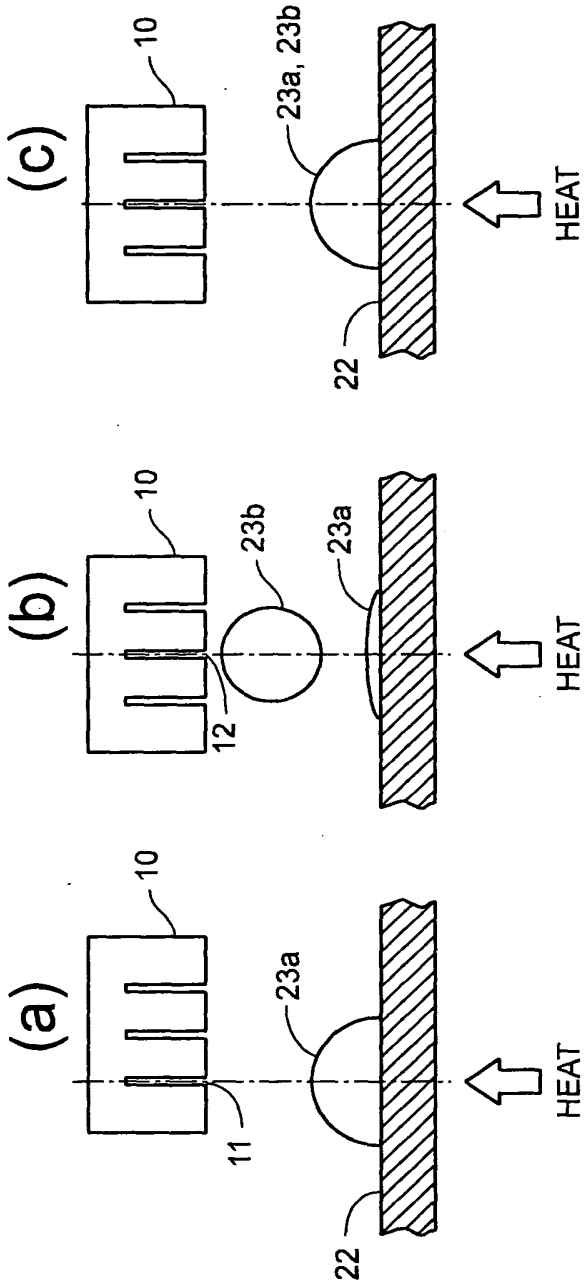
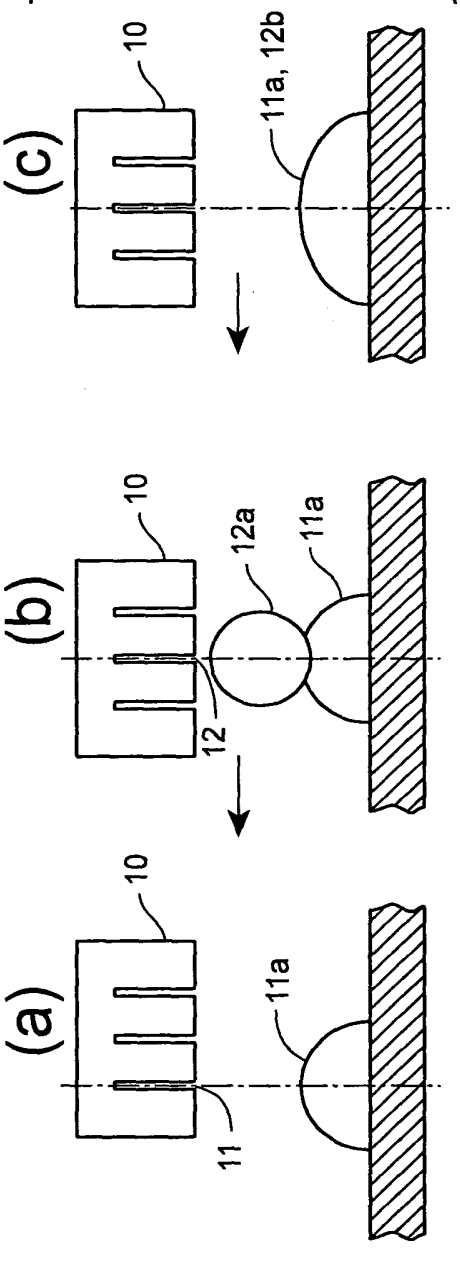


FIG._8
Prior Art



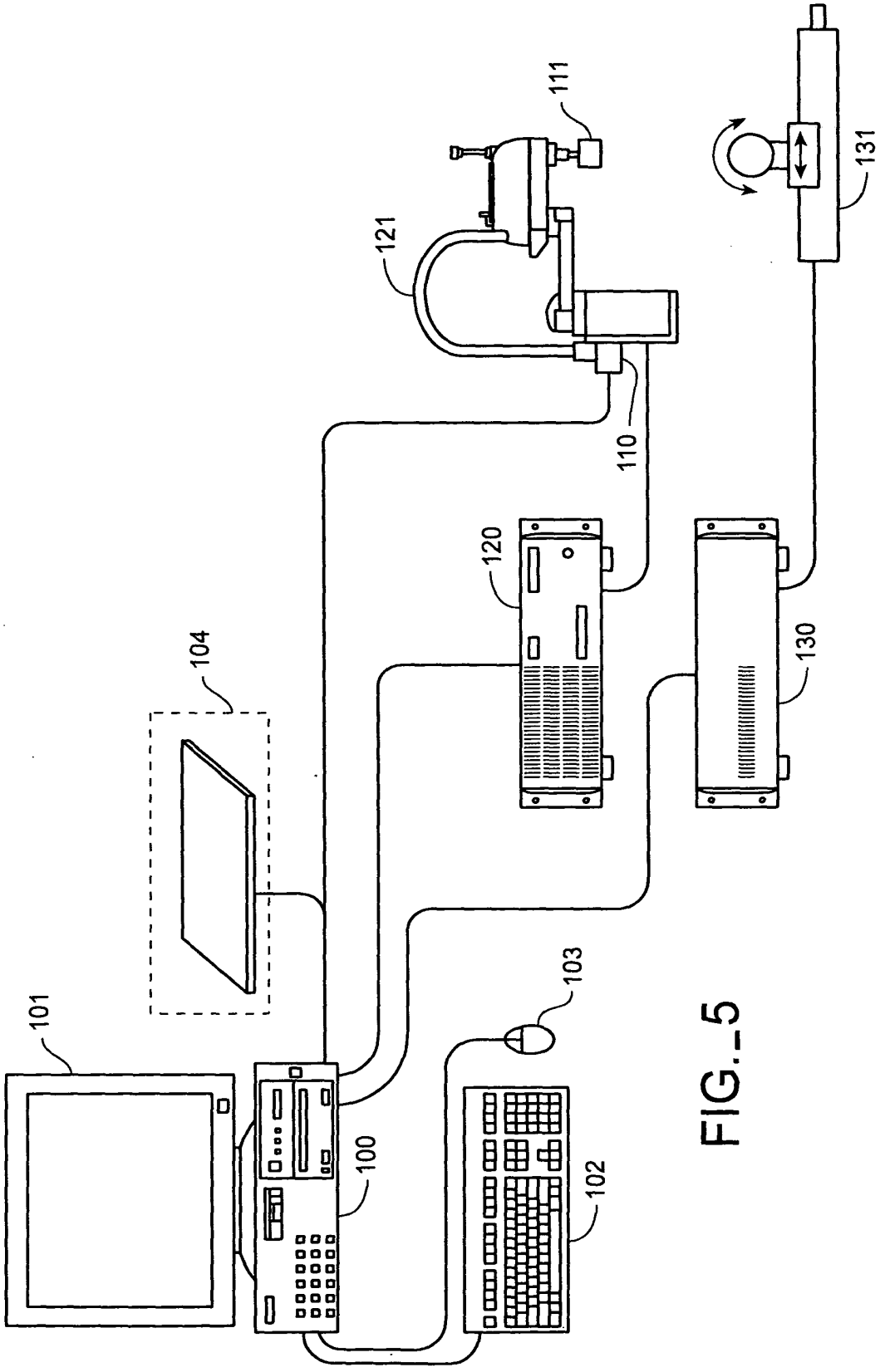


FIG._5

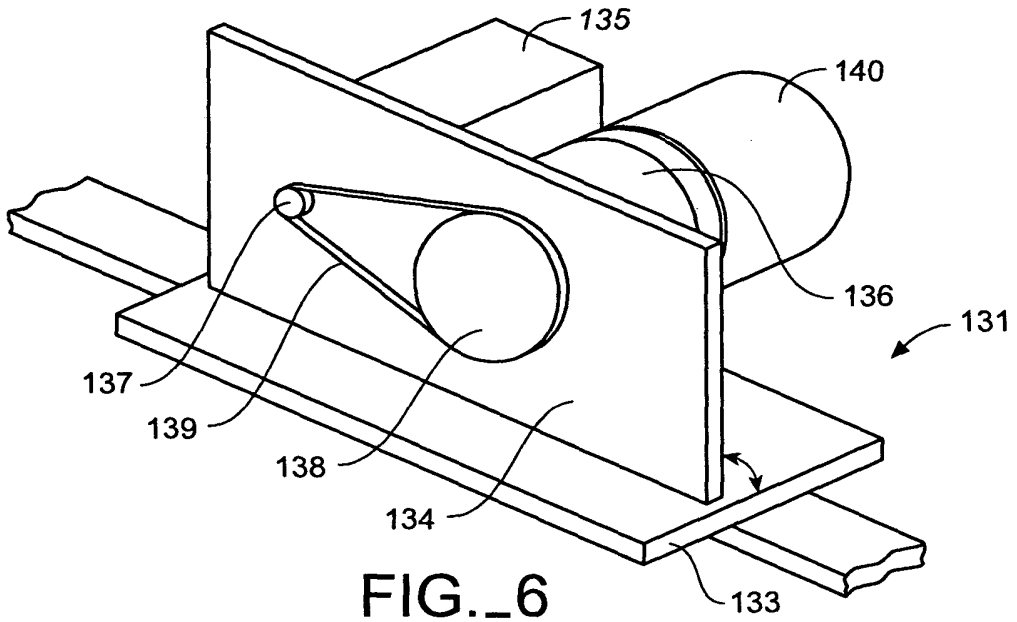

135
140
136
131
137
139
138
134
133

FIG._6

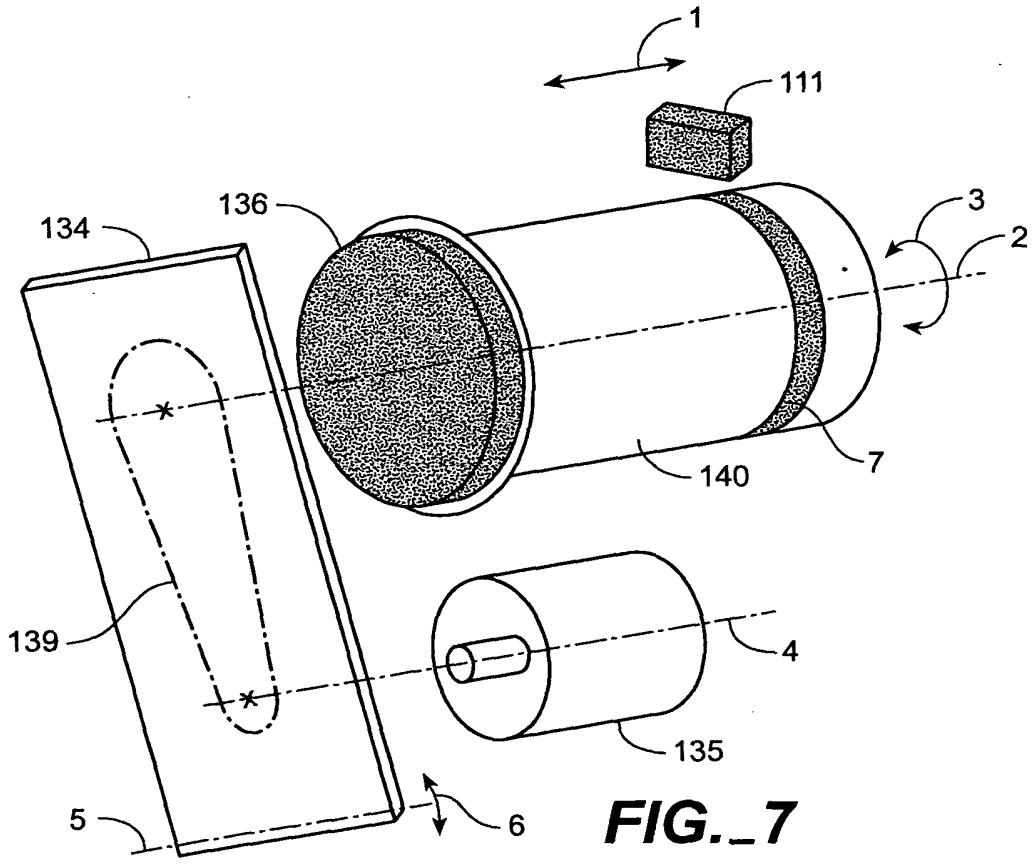

1
111
134
136
3
2
7
140
139
4
135
5
6

FIG._7